# SPEC CPU®2017 Integer Rate Result

**Lenovo Global Technology**

ThinkSystem SD550 V3
(2.20 GHz, Intel Xeon Gold 6538Y+)

**SPECrate®2017_int_base = 620**

**SPECrate®2017_int_peak = Not Run**

### Hardware

- **CPU Name:** Intel Xeon Gold 6538Y+
- **Max MHz:** 4000
- **Nominal:** 2200
- **Enabled:** 64 cores, 2 chips, 2 threads/core
- **Orderable:** 1.2 chips
- **Cache L1:** 32 KB I + 48 KB D on chip per core
- **L2:** 2 MB I+D on chip per core
- **L3:** 60 MB I+D on chip per chip
- **Other:** None
- **Memory:** 1 TB (16 x 64 GB 2Rx4 PC5-5600B-R, running at 5200)
- **Storage:** 1 x 480 GB SATA SSD
- **Other:** CPU Cooling: Air

### Software

- **OS:** SUSE Linux Enterprise Server 15 SP5
  
  Kernel 5.14.21-150500.53-default

- **Compiler:**
  
  C/C++: Version 2024.0.2 of Intel oneAPI DPC++/C++ Compiler for Linux;
  
  Fortran: Version 2024.0.2 of Intel Fortran Compiler for Linux;

- **Parallel:** No

- **Firmware:** Lenovo BIOS Version FNE113F 2.20 released Jan-2024

- **File System:** xfs

- **System State:** Run level 3 (multi-user)

- **Base Pointers:** 64-bit

- **Peak Pointers:** Not Applicable

- **Other:** None

- **Power Management:** BIOS and OS set to prefer performance at the cost of additional power usage

### Test Details

- **CPU2017 License:** 9017
- **Test Sponsor:** Lenovo Global Technology
- **Tested by:** Lenovo Global Technology
- **Test Date:** Mar-2024
- **Hardware Availability:** Mar-2024
- **Software Availability:** Mar-2024

<table>
<thead>
<tr>
<th>Test Program</th>
<th>Copies</th>
<th>SPECrate®2017_int_base (620)</th>
</tr>
</thead>
<tbody>
<tr>
<td>500.perlbench_r</td>
<td>128</td>
<td>482</td>
</tr>
<tr>
<td>502.gcc_r</td>
<td>128</td>
<td>509</td>
</tr>
<tr>
<td>505.mcf_r</td>
<td>128</td>
<td>1000</td>
</tr>
<tr>
<td>520.omnetpp_r</td>
<td>128</td>
<td>394</td>
</tr>
<tr>
<td>523.xalancbmk_r</td>
<td>128</td>
<td>836</td>
</tr>
<tr>
<td>525.x264_r</td>
<td>128</td>
<td>1300</td>
</tr>
<tr>
<td>531.deepsjeng_r</td>
<td>128</td>
<td>463</td>
</tr>
<tr>
<td>541.leela_r</td>
<td>128</td>
<td>439</td>
</tr>
<tr>
<td>548.exchange2_r</td>
<td>128</td>
<td>1330</td>
</tr>
<tr>
<td>557.xz_r</td>
<td>128</td>
<td>297</td>
</tr>
</tbody>
</table>
Lenovo Global Technology
ThinkSystem SD550 V3
(2.20 GHz, Intel Xeon Gold 6538Y+)

CPU2017 License: 9017
Test Sponsor: Lenovo Global Technology
Tested by: Lenovo Global Technology

Results Table

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Copies</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>500.perlibench_r</td>
<td>128</td>
<td>423</td>
<td>482</td>
<td>423</td>
<td>482</td>
<td>423</td>
<td>482</td>
</tr>
<tr>
<td>502.gcc_r</td>
<td>128</td>
<td>356</td>
<td>509</td>
<td>357</td>
<td>508</td>
<td>356</td>
<td>509</td>
</tr>
<tr>
<td>505.mcf_r</td>
<td>128</td>
<td>206</td>
<td>1000</td>
<td>207</td>
<td>1000</td>
<td>207</td>
<td>1000</td>
</tr>
<tr>
<td>520.omnetpp_r</td>
<td>128</td>
<td>242</td>
<td>394</td>
<td>245</td>
<td>395</td>
<td>247</td>
<td>393</td>
</tr>
<tr>
<td>523.xalancbmk_r</td>
<td>128</td>
<td>161</td>
<td>838</td>
<td>162</td>
<td>835</td>
<td>162</td>
<td>836</td>
</tr>
<tr>
<td>525.x264_r</td>
<td>128</td>
<td>173</td>
<td>1300</td>
<td>173</td>
<td>1300</td>
<td>173</td>
<td>1300</td>
</tr>
<tr>
<td>531.deepsjeng_r</td>
<td>128</td>
<td>317</td>
<td>463</td>
<td>317</td>
<td>463</td>
<td>317</td>
<td>463</td>
</tr>
<tr>
<td>541.leela_r</td>
<td>128</td>
<td>483</td>
<td>439</td>
<td>483</td>
<td>439</td>
<td>483</td>
<td>439</td>
</tr>
<tr>
<td>548.exchange2_r</td>
<td>128</td>
<td>247</td>
<td>1360</td>
<td>252</td>
<td>1330</td>
<td>255</td>
<td>1310</td>
</tr>
<tr>
<td>557.xz_r</td>
<td>128</td>
<td>464</td>
<td>298</td>
<td>465</td>
<td>297</td>
<td>465</td>
<td>297</td>
</tr>
</tbody>
</table>

SPECrate®2017_int_base = 620
SPECrate®2017_int_peak = Not Run

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Submit Notes

The numactl mechanism was used to bind copies to processors. The config file option 'submit' was used to generate numactl commands to bind each copy to a specific processor.
For details, please see the config file.

Operating System Notes

Stack size set to unlimited using "ulimit -s unlimited"

Environment Variables Notes

Environment variables set by runcpu before the start of the run:
LD_LIBRARY_PATH = "/home/cpu2017-1.1.9-ic2024.0.2/lib/intel64:/home/cpu2017-1.1.9-ic2024.0.2/lib/ia32:/home/cpu2017-1.1.9-ic2024.0.2/lib/ia32"
MALLOC_CONF = "retain:true"

General Notes

Binaries compiled on a system with 2x Intel Xeon Platinum 8280M CPU + 384GB RAM
memory using Red Hat Enterprise Linux 8.4
Transparent Huge Pages enabled by default
Prior to runcpu invocation
Filesystem page cache synced and cleared with:
sync; echo 3> /proc/sys/vm/drop_caches
runcpu command invoked through numactl i.e.: numactl --interleave=all runcpu <etc>
NA: The test sponsor attests, as of date of publication, that CVE-2017-5754 (Meltdown) is mitigated in the system as tested and documented.
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5753 (Spectre variant 1) is mitigated in the system as tested and documented.

(Continued on next page)
Lenovo Global Technology
ThinkSystem SD550 V3
(2.20 GHz, Intel Xeon Gold 6538Y+)

SPEC CPU®2017 Integer Rate Result
Copyright 2017-2024 Standard Performance Evaluation Corporation

Lenovo Global Technology

SPECrate®2017_int_base = 620
SPECrate®2017_int_peak = Not Run

CPU2017 License: 9017
Test Sponsor: Lenovo Global Technology
Tested by: Lenovo Global Technology

Test Date: Mar-2024
Hardware Availability: Mar-2024
Software Availability: Mar-2024

General Notes (Continued)
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5715 (Spectre variant 2) is mitigated in the system as tested and documented.

Platform Notes

BIOS configuration:
Choose Operating Mode set to Maximum Performance and then set it to Custom Mode
C-States set to Legacy
SNC set to SNC2
LLC Prefetch set to Disabled
UPI Link Disable set to Minimum Number of Links Enabled

Sysinfo program /home/cpu2017-1.1.9-ic2024.0.2/bin/sysinfo
Rev: r6732 of 2022-11-07 fe91c89b7ed5c36ae2c92ce097bec197
running on localhost Thu Mar 28 17:31:57 2024

SUT (System Under Test) info as seen by some common utilities.

Table of contents

1. uname -a
2. w
3. Username
4. ulimit -a
5. sysinfo process ancestry
6. /proc/cpuinfo
7. lscpu
8. numactl --hardware
9. /proc/meminfo
10. who -r
11. Systemd service manager version: systemd 249 (249.16+suse.171.gdad0071f15)
12. Failed units, from systemctl list-units --state=failed
13. Services, from systemctl list-unit-files
14. Linux kernel boot-time arguments, from /proc/cmdline
15. cpupower frequency-info
16. sysctl
17. /sys/kernel/mm/transparent_hugepage
18. /sys/kernel/mm/transparent_hugepage/krhugepaged
19. OS release
20. Disk information
21. /sys/devices/virtual/dmi/id
22. dmidecode
23. BIOS

1. uname -a
Linux localhost 5.14.21-150500.53-default #1 SMP PREEMPT_DYNAMIC Wed May 10 07:56:26 UTC 2023 (b630043)
x86_64 x86_64 x86_64 GNU/Linux

2. w
17:31:57 up 2 min, 1 user, load average: 0.03, 0.06, 0.02
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
root tty1 - 17:29 37.00s 0.83s 0.01s sh
Run502-compliant-ic2024.0.2-lin-saphirerapids-rateint-base-smt-on-20231213.sh

(Continued on next page)
3. Username
   From environment variable $USER: root

4. ulimit -a
   core file size         (blocks, -c) unlimited
   data seg size          (kbytes, -d) unlimited
   scheduling priority    (-e) 0
   file size              (blocks, -f) unlimited
   pending signals        (-i) 4126880
   max locked memory      (kbytes, -l) 64
   max memory size        (kbytes, -m) unlimited
   open files             (-n) 1024
   pipe size              (512 bytes, -p) 8
   POSIX message queues   (bytes, -q) 819200
   real-time priority     (-r) 0
   max user processes     (-u) 4126880
   virtual memory         (kbytes, -v) unlimited
   file locks             (-x) unlimited

5. sysinfo process ancestry
   /usr/lib/systemd/systemd --switched-root --system --deserialize 30
   login -- root
   -bash
   /bin/bash .run_SD550V3_EMR_new.sh
   sh Run502-compliant-ic2024.0.2-lin-sapphirerapids-rateint-base-smt-on-20231213.sh
   runcpu --nobuild --action validate --define default-platform-flags --define numcopies=128 --c
   ic2024.0.2-lin-sapphirerapids-rate-20231213.cfg --define smt-on --define cores=64 --define physicalfirst
   --define invoke_with_interleave --define drop_caches --tune base --output_format all
   runcpu --nobuild --action validate --define default-platform-flags --define numcopies=128 --configfile
   ic2024.0.2-lin-sapphirerapids-rate-20231213.cfg --define smt-on --define cores=64 --define physicalfirst
   --define invoke_with_interleave --define drop_caches --tune base --output_format all --nopower --rnmode
   --tune base --size refrain intrate --nopreenv --note-preenv --logfile
   $SPEC/tmp/CPU2017.119/templogs/preenv.intrate.119.0.log --lognum 119.0 --from_runcpu 2
   specperl $SPEC/bin/sysinfo
   $SPEC = /home/cpu2017-1.1.9-ic2024.0.2

6. /proc/cpuinfo
   model name      : INTEL(R) XEON(R) GOLD 6538Y+
   vendor_id       : GenuineIntel
   cpu family      : 6
   model           : 207
   stepping        : 2
   microcode       : 0x210000200
   bug             : spectre_v1 spectre_v2 spec_store_bypass swapgs eibrs_pbrsb
   cpu cores       : 32
   siblins         : 64
   2 physical ids (chips)
   128 processors (hardware threads)
   physical id 0: core ids 0-31
   physical id 1: core ids 0-31
   physical id 0: apicids 0-63
   physical id 1: apicids 128-191
   Caution: /proc/cpuinfo data regarding chips, cores, and threads is not necessarily reliable, especially for
   virtualized systems. Use the above data carefully.

(Continued on next page)
Lenovo Global Technology
ThinkSystem SD550 V3
(2.20 GHz, Intel Xeon Gold 6538Y+)

CPU2017 License: 9017
Test Sponsor: Lenovo Global Technology
Tested by: Lenovo Global Technology

Platform Notes (Continued)

7. lscpu

From lscpu from util-linux 2.37.4:

Architecture: x86_64
CPU op-mode(s): 32-bit, 64-bit
Address sizes: 46 bits physical, 57 bits virtual
Byte Order: Little Endian
CPU(s): 128
On-line CPU(s) list: 0-127
Vendor ID: GenuineIntel
Model name: INTEL(R) XEON(R) GOLD 6538Y+
CPU family: 6
Model: 207
Thread(s) per core: 2
Core(s) per socket: 32
Socket(s): 2
Stepping: 2
BogoMIPS: 4400.00
Flags:

Virtualization: VT-x
L1d cache: 3 MiB (64 instances)
L1i cache: 2 MiB (64 instances)
L2 cache: 128 MiB (64 instances)
L3 cache: 120 MiB (2 instances)
NUMA node(s): 4
NUMA node0 CPU(s): 0-15, 64-79
NUMA node1 CPU(s): 16-31, 80-95
NUMA node2 CPU(s): 32-47, 96-111
NUMA node3 CPU(s): 48-63, 112-127
Vulnerability Itlb_multihit: Not affected
Vulnerability L1f: Not affected
Vulnerability Mds: Not affected
Vulnerability Meltdown: Not affected
Vulnerability Mmio_stale_data: Not affected
Vulnerability Retbleed: Not affected
Vulnerability Spec_store_bypass: Mitigation; Speculative Store Bypass disabled via prctl and seccomp
Vulnerability Spectre v1: Mitigation; usercopy/swaps bbgs and _user pointer sanitization
Vulnerability Spectre v2: Mitigation; Enhanced IBRS, IBPB conditional, RSB filling, PBRSB-eIBRS SW sequence
Vulnerability Srbds: Not affected
Vulnerability Tsx_async_abort: Not affected

From lscpu --cache:
Lenovo Global Technology
ThinkSystem SD550 V3
(2.20 GHz, Intel Xeon Gold 6538Y+)

**SPEC CPU®2017 Integer Rate Result**

**CPU2017 License:** 9017
**Test Date:** Mar-2024
**Test Sponsor:** Lenovo Global Technology
**Tested by:** Lenovo Global Technology

**SPECrate®2017_int_base = 620**
**SPECrate®2017_int_peak = Not Run**

---

**Platform Notes (Continued)**

<table>
<thead>
<tr>
<th>NAME</th>
<th>ONE-SIZE</th>
<th>ALL-SIZE</th>
<th>WAYS</th>
<th>TYPE</th>
<th>LEVEL</th>
<th>SETS</th>
<th>PHY-LINE</th>
<th>COHERENCY-SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1d</td>
<td>48K</td>
<td>3M</td>
<td>12</td>
<td>Data</td>
<td>1</td>
<td>64</td>
<td></td>
<td>64</td>
</tr>
<tr>
<td>L1i</td>
<td>32K</td>
<td>2M</td>
<td>8</td>
<td>Instruction</td>
<td>1</td>
<td>64</td>
<td></td>
<td>64</td>
</tr>
<tr>
<td>L2</td>
<td>2M</td>
<td>128M</td>
<td>16</td>
<td>Unified</td>
<td>2</td>
<td>2048</td>
<td></td>
<td>64</td>
</tr>
<tr>
<td>L3</td>
<td>60M</td>
<td>120M</td>
<td>15</td>
<td>Unified</td>
<td>3</td>
<td>65536</td>
<td></td>
<td>64</td>
</tr>
</tbody>
</table>

8. `numactl --hardware`

  NOTE: a `numactl 'node'` might or might not correspond to a physical chip.
  available: 4 nodes (0-3)
  node 0 cpus: 0-15,64-79
  node 0 size: 257704 MB
  node 0 free: 256830 MB
  node 1 cpus: 16-31,80-95
  node 1 size: 258039 MB
  node 1 free: 257453 MB
  node 2 cpus: 32-47,96-111
  node 2 size: 258039 MB
  node 2 free: 257446 MB
  node 3 cpus: 48-63,112-127
  node 3 size: 257966 MB
  node 3 free: 257284 MB
  node distances:
  node   0   1   2   3
  0:  10  12  21  21
  1:  12  10  21  21
  2:  21  21  10  12
  3:  21  21  12  10

9. `/proc/meminfo`

  MemTotal: 1056512248 kB

10. `who -r`

  run-level 3 Mar 28 17:29

11. `systemd service manager version: systemd 249 (249.16+suse.171.gdad0071f15)`

  Default Target Status
  multi-user degraded

12. Failed units, from `systemctl list-units --state=failed`

  UNIT LOAD ACTIVE SUB DESCRIPTION
  * ntp_sync.service loaded failed failed ntp_sync.service

13. Services, from `systemctl list-unit-files`

  STATE UNIT FILES
  enabled YaST2-Firstboot YaST2-Second-Stage apparmor auditd cron getty@ irqbalance issue-generator kbdsettings klog lvm2-monitor nscd postfix purge-kernels rollback rsyslog smartd sshd systemd-pstore wicked wickedd-auto4 wickedd-dhcp4 wickedd-dhcp6 wickedd-nanny
  enabled-runtime systemd-remount-fs

(Continued on next page)
Platform Notes (Continued)

14. Linux kernel boot-time arguments, from /proc/cmdline
   BOOT_IMAGE=/boot/vmlinuz-5.14.21-150500.53-default
   root=UUID=1f1165ee-d57c-4884-9a69-769de0319f56
   splash=silent
   mitigations=auto
   quiet
   security=apparmor

15. cpupower frequency-info
   analyzing CPU 0:
   Unable to determine current policy
   boost state support:
   Supported: yes
   Active: yes

16. sysctl
   kernel.numa_balancing 1
   kernel.randomize_va_space 2
   vm.compage_proactive 20
   vm.dirty_background_bytes 0
   vm.dirty_background_ratio 10
   vm.dirty_bytes 0
   vm.dirty_expire_centisecs 3000
   vm.dirty_ratio 20
   vm.dirty_writeback_centisecs 500
   vm.dirtytime_expire_seconds 43200
   vm.extfrag_threshold 500
   vm.min_unmapped_ratio 1
   vm.nr_hugepages 0
   vm.nr_hugepages_mempolicy 0
   vm.nr_overcommit_hugepages 0
   vm.swappiness 60
   vm.watermark_boost_factor 15000
   vm.watermark_scale_factor 10
   vm.zone_reclaim_mode 0

17. /sys/kernel/mm/transparent_hugepage
   defrag always defer defer+madvise [madvise] never
   enabled [always] madvise never
   hpaged_pmd_size 2097152
   shmem_enabled always within_size advise [never] deny force

18. /sys/kernel/mm/transparent_hugepage/khugepaged
   alloc_sleep_millisecs 60000
   defrag 1
   max_ptes_none 511
   max_ptes_shared 256
   max_ptes_swap 64
   pages_to_scan 4096
   scan_sleep_millisecs 10000

(Continued on next page)
Lenovo Global Technology
ThinkSystem SD550 V3
(2.20 GHz, Intel Xeon Gold 6538Y+)

CPU2017 License: 9017
Test Sponsor: Lenovo Global Technology
Tested by: Lenovo Global Technology

Platform Notes (Continued)

19. OS release
From /etc/*-release /etc/*-version
os-release SUSE Linux Enterprise Server 15 SP5

20. Disk information
SPEC is set to: /home/cpu2017-1.1.9-ic2024.0.2
Filesystem Type Size Used Avail Use% Mounted on
/dev/sda3 xfs 446G 69G 377G 16% /

21. /sys/devices/virtual/dmi/id
Vendor: Lenovo
Product: ThinkSystem SD550 V3
Product Family: ThinkSystem
Serial: 1234567890

22. dmidecode
Additional information from dmidecode 3.4 follows. WARNING: Use caution when you interpret this section.
The 'dmidecode' program reads system data which is "intended to allow hardware to be accurately
determined", but the intent may not be met, as there are frequent changes to hardware, firmware, and the
"DMTF SMBIOS" standard.
Memory:
9x Samsung M321R8GA0PB0-CWMKH 64 GB 2 rank 5600, configured at 5200
7x Samsung M321R8GA0PB0-CWMKH 64 GB 2 rank 5600, configured at 5200

23. BIOS
(This section combines info from /sys/devices and dmidecode.)
BIOS Vendor: Lenovo
BIOS Version: FNE113F-2.20
BIOS Date: 01/02/2024
BIOS Revision: 2.20
Firmware Revision: 1.10

Compiler Version Notes

C | 500.perlbench_r(base) 502.gcc_r(base) 505.mcf_r(base) 525.x264_r(base) 557.xz_r(base)
-----------------------------------------------
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64, Version 2024.0.2 Build 2031213
Copyright (C) 1985-2023 Intel Corporation. All rights reserved.

C++ | 520.omnetpp_r(base) 523.xalancbmk_r(base) 531.deepsjeng_r(base) 541.leela_r(base)
-----------------------------------------------
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64, Version 2024.0.2 Build 2031213
Copyright (C) 1985-2023 Intel Corporation. All rights reserved.

Fortran | 548.exchange2_r(base)
-----------------------------------------------
Intel(R) Fortran Compiler for applications running on Intel(R) 64, Version 2024.0.2 Build 2031213
Copyright (C) 1985-2023 Intel Corporation. All rights reserved.
## Lenovo Global Technology

### ThinkSystem SD550 V3

(2.20 GHz, Intel Xeon Gold 6538Y+)

### SPEC CPU®2017 Integer Rate Result

<table>
<thead>
<tr>
<th>SPECrate®2017_int_base</th>
<th>620</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECrate®2017_int_peak</td>
<td>Not Run</td>
</tr>
</tbody>
</table>

**CPU2017 License:** 9017

**Test Sponsor:** Lenovo Global Technology

**Tested by:** Lenovo Global Technology

**CPU2017 License:** 9017

**Test Date:** Mar-2024

**Hardware Availability:** Mar-2024

**Software Availability:** Mar-2024

### Base Compiler Invocation

- **C benchmarks:**
  - icx

- **C++ benchmarks:**
  - icpx

- **Fortran benchmarks:**
  - ifx

### Base Portability Flags

500.perlbench_r: -DSPEC_LP64 -DSPEC_LINUX_X64
502.gcc_r: -DSPEC_LP64
505.mcf_r: -DSPEC_LP64
520.omnetpp_r: -DSPEC_LP64
523.xalancbmk_r: -DSPEC_LP64 -DSPEC_LINUX
525.x264_r: -DSPEC_LP64
531.deepsjeng_r: -DSPEC_LP64
541.leela_r: -DSPEC_LP64
548.exchange2_r: -DSPEC_LP64
557.xz_r: -DSPEC_LP64

### Base Optimization Flags

- **C benchmarks:**
  - `-w` `-std=c11` `-m64` `-Wl,-z,muldefs -xsapphirerapids -O3 -ffast-math`
  - `-flto` `-mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4`
  - `-L/opt/intel/oneapi/compiler/2024.0/lib` `-lqkmalloc`

- **C++ benchmarks:**
  - `-w` `-std=c++14` `-m64` `-Wl,-z,muldefs -xsapphirerapids -O3 -ffast-math`
  - `-flto` `-mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4`
  - `-L/opt/intel/oneapi/compiler/2024.0/lib` `-lqkmalloc`

- **Fortran benchmarks:**
  - `-w` `-m64` `-Wl,-z,muldefs -xsapphirerapids -O3 -ffast-math -flto`
  - `-mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4`
  - `-nostandard-realloc-lhs -align array32byte -auto`
  - `-L/opt/intel/oneapi/compiler/2024.0/lib` `-lqkmalloc`
<table>
<thead>
<tr>
<th>Lenovo Global Technology</th>
<th>SPECrate\textsuperscript{\textregistered}2017\textsubscript{\texttt{int_base}} = 620</th>
</tr>
</thead>
<tbody>
<tr>
<td>ThinkSystem SD550 V3</td>
<td>SPECrate\textsuperscript{\textregistered}2017\textsubscript{\texttt{int_peak}} = Not Run</td>
</tr>
<tr>
<td>(2.20 GHz, Intel Xeon Gold 6538Y+)</td>
<td></td>
</tr>
</tbody>
</table>

- **Test Sponsor:** Lenovo Global Technology
- **Tested by:** Lenovo Global Technology
- **CPU2017 License:** 9017
- **Test Date:** Mar-2024
- **Hardware Availability:** Mar-2024
- **Software Availability:** Mar-2024

The flags files that were used to format this result can be browsed at:
- [http://www.spec.org/cpu2017/flags/Lenovo-Platform-SPECcpu2017-Flags-V1.2-Eaglestream-AA.html](http://www.spec.org/cpu2017/flags/Lenovo-Platform-SPECcpu2017-Flags-V1.2-Eaglestream-AA.html)

You can also download the XML flags sources by saving the following links:
- [http://www.spec.org/cpu2017/flags/Lenovo-Platform-SPECcpu2017-Flags-V1.2-Eaglestream-AA.xml](http://www.spec.org/cpu2017/flags/Lenovo-Platform-SPECcpu2017-Flags-V1.2-Eaglestream-AA.xml)

SPEC CPU and SPECrate are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

For questions about this result, please contact the tester. For other inquiries, please contact info@spec.org.

Tested with SPEC CPU\textsuperscript{\textregistered}2017 v1.1.9 on 2024-03-28 05:31:57-0400.